

Results for the 12'x100' circular tank with ramp:

Circular tank:

Tank Diameter = 100 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 12 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #5 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	10	3' 1"
5	10	3' 11"
6	10	4' 9"
7	10	5' 7"
8	10	6' 5"
9	10	7' 3"
10	10	8' 1"
11	10	8' 11"
12	10	9' 9"
13	12	10' 9"
14	12	11' 9"

Vertical Steel shall be #4 @ 8" O.C.


Dowels "L" bars shall be #4 @ 8" O.C. with a horizontal leg of 8" and a vertical leg of 26"

In the tank wall, at the notch for the ramp add:

4-#6 bars x 11'-10" long @ 4" O.C. vertically.

4-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6 feet long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	____ County, PA ROUND TANK W/RAMP DETAIL Page 6.22	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
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